Harnessing phages for supramolecular and materials chemistry

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Propositions

1. Small changes lead to big consequences.
2. In reality, a single stranded circular DNA doesn't look like the figures in the books.
3. A good antibiotic should be effective, potent, selectively toxic to the target organism, and, at the same time, being safe for the patient. That's why it is so hard to find a new one.
4. The specificity of a binder is inversely proportional to the number of controls you use.
5. Phage display is often compared to "the needle in the haystack" problem, but it is much more complex than that, it is "the hay in the haystack" problem.
6. Viral capsids are sublime building blocks for material science, yet poorly exploited.
7. Without the proper selection pressure, the wild-type phage will dominate.
8. Pasta doesn't go with chicken!